

What is claimed is:

1. A data rewriting apparatus capable of detaching a recording medium which stores update data for updating the data stored in the data rewriting apparatus, program data for transferring the update data to the data rewriting apparatus, and discrimination data for discriminating recording of the update data and program data, comprising:

loading means for inserting said detachable recording medium into the apparatus main body;

first memory means for reading and storing the program data for transferring the update data into the data rewriting apparatus recorded on the recording medium;

detecting means for detecting the discrimination data from the recording medium;

second memory means provided inside the rewriting apparatus for storing the data to be updated; and

control means for reading out the program data for transferring the update data into the data rewriting apparatus on the basis of the detected discrimination data from the recording medium and storing into the first memory means, when the discriminating data is detected from the recording medium by the detecting means, reading out the updated data recorded in the recording medium on the basis of the program data stored in the first memory means, and updating the data stored in the

second memory means in the data rewriting apparatus.

2. The data rewriting apparatus of claim 1, wherein said update data is program data for operating the data rewriting apparatus.

3. The data rewriting apparatus of claim 1, further comprising:

third memory means storing load program data for transferring and storing the program data for transferring said update data recorded in the recording medium to said first memory means.

4. The data rewriting apparatus of claim 1, further comprising:

limiting means for limiting a rewrite of data stored in the data rewriting apparatus,

wherein limit of rewrite is cleared by the program data stored in the memory means.

5. The data rewriting apparatus of claim 2, wherein limit of rewrite is cleared after reading the program data for transferring the update data to the data rewriting apparatus.

6. The data rewriting apparatus of claim 1, wherein the

data stored in the data rewriting apparatus is stored in nonvolatile memory means.

7. The data rewriting apparatus of claim 1, further comprising:

fourth memory means,

wherein the update data for updating the data stored in the data rewriting apparatus is used for updating the data stored in the second memory means of the data rewriting apparatus, after being stored in said fourth memory means.

8. The data rewriting apparatus of claim 1, wherein said control means searches first position data indicating the position of the program data for transferring the update data to the data rewriting apparatus recorded in said recording medium, and reads out the program data according to the first position data being searched.

9. The data rewriting apparatus of claim 1, wherein said control means searches second position data indicating the position of the update data for updating the data stored in the data rewriting apparatus recorded in said recording medium, and reads out the update data recorded in the recording medium according to the second position data being searched.

10. A control method of storing update data by transferring into a data rewriting apparatus from the data rewriting apparatus and a detachable recording medium storing update data for updating the data stored in the data rewriting apparatus, program data for transferring the update data to the data rewriting apparatus, and discrimination data for discriminating recording of the update date and program data, comprising:

a step of detecting the discrimination data from the recording medium;

a step of reading out the program data from the recording medium on the basis of the detected discrimination data when the discrimination data is detected from the recording medium; and

a step of reading out the update data for updating the data stored in the data rewriting apparatus from the recording medium on the basis of the program data being readout, and updating the data stored in the apparatus by the update data being read out.

11. The control method of claim 10, wherein the program data is stored in temporary storage means provided in the data rewriting apparatus.

12. The control method of claim 10, further comprising:

a step of temporarily storing the update data recorded in the recording medium, in temporary storage means provided in the data rewriting apparatus.

13. The control method of claim 10, wherein the step of detecting the discrimination data of the control method is to detect the discrimination data by checking if specified data pattern is present or not in each block of specified size for composing the recording medium.

14. The control method of claim 10, the step of updating the data of the control method is to update the data after erasing the data at the position to be updated stored in the data rewriting apparatus.

15. The control method of claim 10, further comprising:
a step of searching first position data indicating the position of the update data recorded in the recording medium, prior to the step of:

reading the update data for updating the data stored in the data rewriting apparatus from the recording medium,

wherein the update data for updating the data stored in the data rewriting apparatus is read in from the recording medium according to the first position data.

16. The control method of claim 10, further comprising:
a step of searching second position data indicating the position of the program data for transferring the update data to the data rewriting apparatus recorded in the recording medium, wherein the program data is read out according to the second position data.

17. A recording medium comprising:
an update data recording region for recording the update data for updating the data stored in the installed data rewriting apparatus;
a program data recording region for recording the program data for transferring the update data to the data rewriting apparatus; and
a discrimination data recording region for recording the discrimination data for discriminating recording of the update data and program data.

18. The recording medium of claim 17, further comprising:

a first position recording region for recording first position data indicating the position of the update data recorded in the recording medium.

19. The recording medium of claim 17, further

comprising:

a second position recording region for recording second position data indicating the position of the program data recorded in the recording medium.

20. The recording medium of claim 18, further comprising:

a management data recording region for recording management data for managing the data recorded in the recording medium, aside from the first position recording region in which the first position data is recorded.